**Question Bank**

1. What do you understand by sand binder? Write down the name of sand binders used in moulding sand.
2. Explain hot rolling process and write their advantages.
3. Explain hot extrusion process and their types.
4. Briefly describe hot drawing process.
5. Write the five operations performed on the lathe machine with suitable diagram.
6. Write in brief about the measuring tools with sketch used in carpentry shop.
7. Explain Different types of job holding devices used in carpentry shop.
8. Elaborate the different types of handsaws used in carpentry shop.
9. Draw a neat sketch of metal jack plane and name its parts also.
10. List out the different types of files used in fitting shop with suitable sketch.
11. What are the uses of Spokeshave and router plane?
12. Describe with neat sketch the working of spring hammer.
13. What is tap? Explain different types of taps used in fitting with neat sketch.
14. List out the forging operations. Explain any four forging operations with asuitable diagram.
15. List any four materials used for making pattern.
16. Explain any four properties of Moulding sand.
17. Draw and explain any four types of seam used in sheet metal operation.
18. Sketch the twist drill and lebel the parts.
19. What are the different work holding devices used in drilling machine.
20. What are the advantages and disadvantages of hot and cold working?
21. Discuss hot chamber pressure die casting process with neat sketch.
22. What are the uses of runner and riser in sand casting process?
23. Distinguish between punching and blanking.
24. Define the: Boring, Drilling and reamimg.
25. Mention any six casting defects with neat sketch.
26. List out the four casting defects and their remedies.
27. Write different types of vices used in fitting shop.
28. Write five types of files used in fitting shop with neat sketch.
29. What do you understand by mortise and tenon joint?
30. What do you understand by dovetail joint?
31. Write down the marking tools used in carpentry shop with neat sketch.
32. What is pattern allowance? Write different types of pattern allowance.
33. Write about different types of pattern allowance.
34. Explain different types of pattern in sand casting
35. What is the core and core print?
36. What do you understand about green sand and dry sand?
37. Explain different types of flame in gas welding.
38. Explain the function of getting design in casting.
39. What is joining process and explain their types.
40. Mention various advance manufacturing methods.
41. What do you understand by additive manufacturing.
42. What do you understand by manufacturing process? Classify various manufacturing process.
43. Explain in detail the technique for plastic moulding.
44. Write the working principle of Gas welding process.
45. What is (a) carburizing flame (b) Neutral flame (c) Oxidizing flame
46. What do you understand by soldering and brazing.
47. What is arc? Explain the generation process of arc.
48. Write the working principle of arc welding process.
49. Write the four welding defects and their remedies.
50. Explain the investment casting process and their applications.